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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	4	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS	5	FEB 05	German (DE) application and patent publication number format changes
NEWS	6	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 03	FRANCEPAT now available on STN
NEWS	9	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS	10	MAR 29	WPIFV now available on STN
NEWS	11	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS	12	APR 26	PROMT: New display field available
NEWS	13	APR 26	IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS	14	APR 26	LITALERT now available on STN
NEWS	15	APR 27	NLDB: New search and display fields available
NEWS	16	May 10	PROUSDDR now available on STN
NEWS	17	May 19	PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS	18	May 12	EXTEND option available in structure searching
NEWS	19	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS	20	May 17	FRFULL now available on STN
NEWS	21	May 27	STN User Update to be held June 7 and June 8 at the SLA 2004 Conference
NEWS	22	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS	23	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS	24	May 27	Explore APOLLIT with free connect time in June 2004

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 15:22:05 ON 28 MAY 2004

=> file medline, uspatful, dgene, embase, wpids, fsta, cen, ceaba, biosis,
biobusiness, jicst, japio
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'MEDLINE' ENTERED AT 15:22:39 ON 28 MAY 2004

FILE 'USPATFULL' ENTERED AT 15:22:39 ON 28 MAY 2004
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FILE 'BIOBUSINESS' ENTERED AT 15:22:39 ON 28 MAY 2004
COPYRIGHT (C) 2004 Biological Abstracts, Inc. (BIOSIS)

FILE 'JICST-EPLUS' ENTERED AT 15:22:39 ON 28 MAY 2004
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FILE 'JAPIO' ENTERED AT 15:22:39 ON 28 MAY 2004
COPYRIGHT (C) 2004 Japanese Patent Office (JPO)- JAPIO

=> s FlAsH or Fluorescein arsenical helix binder?
L1      246905 FLASH OR FLUORESCEIN ARSENICAL HELIX BINDER?

=> s l1 and acylation
L2        5558 L1 AND ACYLATION

=> s l2 and amino acid
   2 FILES SEARCHED...
   5 FILES SEARCHED...
L3        2483 L2 AND AMINO ACID

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=>

=>

=> d his

     (FILE 'HOME' ENTERED AT 15:22:05 ON 28 MAY 2004)

     FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, FSTA, CEN, CEABA-VTB,
     BIOSIS, BIOBUSINESS, JICST-EPLUS, JAPIO' ENTERED AT 15:22:39 ON 28 MAY
     2004
L1        246905 S FLASH OR FLUORESCEIN ARSENICAL HELIX BINDER?
L2          5558 S L1 AND ACYLATION
L3          2483 S L2 AND AMINO ACID

=> s l3 and (beta alanine)
L4           330 L3 AND (BETA ALANINE)

=> s protein purification or isolation
L5       1745185 PROTEIN PURIFICATION OR ISOLATION

=> s l5 and l4
L6           132 L5 AND L4

=> d l6 ti abs ibib 1-10

L6   ANSWER 1 OF 132  USPATFULL on STN
TI     Compounds specific to adenosine A1 receptors and uses thereof
AB     This invention pertains to compounds which specifically inhibit the
       adenosine A.sub.1 receptor and the use of these compounds to treat a
       disease associated with A.sub.1 adenosine receptors in a subject.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER:         2004:108197  USPATFULL
TITLE:                    Compounds specific to adenosine A1 receptors and uses
                          thereof
INVENTOR(S):              Castelhano, Arlindo L., New City, NY, UNITED STATES
                          McKibben, Bryan, White Plains, NY, UNITED STATES
                          Witter, David J., Putman Valley, NY, UNITED STATES
PATENT ASSIGNEE(S):       OSI Pharmaceuticals, Inc. (U.S. corporation)

                              NUMBER         KIND    DATE
                          --------------- ------ --------
PATENT INFORMATION:       US 2004082599      A1   20040429
APPLICATION INFO.:        US 2003-718411     A1   20031120  (10)
RELATED APPLN. INFO.:     Continuation of Ser. No. US 2001-280, filed on 30 Nov
                          2001, GRANTED, Pat. No. US 6680324

                                 NUMBER         DATE
                          ------------------ --------
PRIORITY INFORMATION:     US 2000-250895P    20001201 (60)
DOCUMENT TYPE:            Utility
FILE SEGMENT:             APPLICATION
LEGAL REPRESENTATIVE:     John P. White, Cooper & Dunham LLP, 1185 Avenue of the
                          Americas, New York, NY, 10036
NUMBER OF CLAIMS:         59
EXEMPLARY CLAIM:          1
LINE COUNT:               4812
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
```

L6 ANSWER 2 OF 132 USPATFULL on STN
TI Compounds specific to adenosine A, receptors and uses thereof
AB This invention pertains to compounds which specifically inhibit the adenosine A.sub.1 receptor and the use of these compounds to treat a disease associated with A.sub.1 adenosine receptors in a subject.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2004:108196 USPATFULL
TITLE:	Compounds specific to adenosine A, receptors and uses thereof
INVENTOR(S):	Castelhano, Arlindo L., New City, NY, UNITED STATES McKibben, Bryan, White Plains, NY, UNITED STATES Witter, David J., Putman Valley, NY, UNITED STATES
PATENT ASSIGNEE(S):	OSI Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004082598	A1	20040429
APPLICATION INFO.:	US 2003-718280	A1	20031120 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-280, filed on 30 Nov 2001, GRANTED, Pat. No. US 6680324		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-250895P	20001201 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	John P. White, Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY, 10036
NUMBER OF CLAIMS:	60
EXEMPLARY CLAIM:	1
LINE COUNT:	4823

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 132 USPATFULL on STN
TI Interferon alpha: remodeling and glycoconjugation of interferon alpha
AB The invention includes a multitude of methods and compositions for remodeling a peptide molecule, including the addition or deletion of one or more glycosyl groups to a peptide, and/or the addition of a modifying group to a peptide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2004:107626 USPATFULL
TITLE:	Interferon alpha: remodeling and glycoconjugation of interferon alpha
INVENTOR(S):	DeFrees, Shawn, North Wales, PA, UNITED STATES Zopf, David, Wayne, PA, UNITED STATES Bayer, Robert, San Diego, CA, UNITED STATES Bowe, Caryn, Doylestown, PA, UNITED STATES Hakes, David, Willow Grove, PA, UNITED STATES Chen, Xi, Lansdale, PA, UNITED STATES
PATENT ASSIGNEE(S):	Neose Technologies, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004082026	A1	20040429
APPLICATION INFO.:	US 2003-411049	A1	20030409 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-360779, filed on 19 Feb 2003, PENDING Continuation-in-part of Ser. No. US 2003-360770, filed on 6 Jan 2003, PENDING Continuation-in-part of Ser. No. US 2002-287994, filed on 5 Nov 2002, PENDING Continuation of Ser. No. WO 2002-US32263, filed on 9 Oct 2002, PENDING		

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2002-407527P	20020828	(60)
	US 2002-404249P	20020816	(60)
	US 2002-396594P	20020717	(60)
	US 2002-391777P	20020625	(60)
	US 2002-387292P	20020607	(60)
	US 2001-334301P	20011128	(60)
	US 2001-334233P	20011128	(60)
	US 2001-344692P	20011019	(60)
	US 2001-328523P	20011010	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MORGAN, LEWIS & BOCKIUS LLP, 1701 MARKET STREET, PHILADELPHIA, PA, 19103-2921
NUMBER OF CLAIMS: 126
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 497 Drawing Page(s)
LINE COUNT: 19445
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 132 USPATFULL on STN
TI Granulocyte colony stimulating factor: remodeling and glycoconjugation of G-CSF
AB The invention includes methods and compositions for remodeling a peptide molecule, including the addition or deletion of one or more glycosyl groups to a peptide, and/or the addition of a modifying group to a peptide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2004:101966 USPATFULL
TITLE: Granulocyte colony stimulating factor: remodeling and glycoconjugation of G-CSF
INVENTOR(S): DeFrees, Shawn, North Wales, PA, UNITED STATES
Zopf, David, Wayne, PA, UNITED STATES
Bayer, Robert, San Diego, CA, UNITED STATES
Bowe, Caryn, Doylestown, PA, UNITED STATES
Hakes, David, Willow Grove, PA, UNITED STATES
Chen, Xi, Lansdale, PA, UNITED STATES
PATENT ASSIGNEE(S): Neose Technologies, Inc. (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004077836	A1	20040422	
APPLICATION INFO.:	US 2003-410962	A1	20030409	(10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2003-360779, filed on 19 Feb 2003, PENDING Continuation-in-part of Ser. No. US 2003-360770, filed on 6 Jan 2003, PENDING Continuation-in-part of Ser. No. US 2002-287994, filed on 5 Nov 2002, PENDING Continuation of Ser. No. WO 2002-US32263, filed on 9 Oct 2002, PENDING

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2002-407527P	20020828	(60)
	US 2002-404249P	20020816	(60)
	US 2002-396594P	20020717	(60)
	US 2002-391777P	20020625	(60)
	US 2002-387292P	20020607	(60)
	US 2001-334301P	20011128	(60)
	US 2001-334233P	20011128	(60)
	US 2001-344692P	20011019	(60)
	US 2001-328523P	20011010	(60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MORGAN, LEWIS & BOCKIUS LLP, 1701 MARKET STREET, PHILADELPHIA, PA, 19103-2921
NUMBER OF CLAIMS: 111
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 497 Drawing Page(s)
LINE COUNT: 19316
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 132 USPATFULL on STN
TI Beta-**amino acid** derivatives as inhibitors of matrix metalloproteases and TNF-alpha
AB The present application describes novel β- **amino acid** derivatives of formula I: ##STR1##

or pharmaceutically acceptable salt or prodrug forms thereof, wherein A, X, Z, U.sup.a, X.sup.a, Y.sup.a, Z.sup.a, R.sup.1, R.sup.2, R.sup.3, R.sup.4, and R.sup.4a are defined in the present specification, which are useful as metalloprotease and/or as TNF-α inhibitors.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2004:95347 USPATFULL
TITLE: Beta-**amino acid** derivatives as inhibitors of matrix metalloproteases and TNF-alpha
INVENTOR(S): Duan, Jingwu, Newark, DE, UNITED STATES
King, Bryan W., Wilmington, DE, UNITED STATES
Decicco, Carl, Kennett Square, PA, UNITED STATES
Maduskuie, Thomas P., JR., Wilmington, DE, UNITED STATES
Voss, Mathew E., Lincolin Univ., PA, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004072802	A1	20040415	
APPLICATION INFO.:	US 2002-267207	A1	20021009	(10)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: STEPHEN B. DAVIS, BRISTOL-MYERS SQUIBB COMPANY, PATENT DEPARTMENT, P O BOX 4000, PRINCETON, NJ, 08543-4000
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
LINE COUNT: 12037
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 132 USPATFULL on STN
TI Protein remodeling methods and proteins/peptides produced by the methods
AB The invention includes methods and compositions for remodeling a peptide molecule, including the addition or deletion of one or more glycosyl groups to a peptide, and/or the addition of a modifying group to a peptide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2004:83455 USPATFULL
TITLE: Protein remodeling methods and proteins/peptides produced by the methods
INVENTOR(S): DeFrees, Shawn, North Wales, PA, UNITED STATES
Zopf, David, Wayne, PA, UNITED STATES
Bayer, Robert, San Diego, CA, UNITED STATES
Hakes, David, Willow Grove, PA, UNITED STATES
Chen, Xi, Lansdale, PA, UNITED STATES
PATENT ASSIGNEE(S): Neose Technologies, Inc. (U.S. corporation)

	NUMBER	KIND	DATE

PATENT INFORMATION: US 2004063911 A1 20040401
APPLICATION INFO.: US 2003-411026 A1 20030409 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2003-360779, filed on 19 Feb 2003, PENDING Continuation-in-part of Ser. No. US 2003-360770, filed on 6 Jan 2003, PENDING Continuation-in-part of Ser. No. US 2002-287994, filed on 5 Nov 2002, PENDING Continuation of Ser. No. WO 2002-US32263, filed on 9 Oct 2002, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-407527P	20020828 (60)
	US 2002-404249P	20020816 (60)
	US 2002-396594P	20020717 (60)
	US 2002-391777P	20020625 (60)
	US 2002-387292P	20020607 (60)
	US 2001-334301P	20011128 (60)
	US 2001-334233P	20011128 (60)
	US 2001-344692P	20011019 (60)
	US 2001-328523P	20011010 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MORGAN, LEWIS & BOCKIUS LLP, 1701 MARKET STREET, PHILADELPHIA, PA, 19103-2921
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 497 Drawing Page(s)
LINE COUNT: 18872
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 132 USPATFULL on STN
TI Cyclic compounds containing zinc binding groups as matrix metalloproteinase inhibitors
AB This invention provides compounds defined by Formula I

Z--L--R.sup.1--Q--D--(V.sup.1).sub.m--R.sup.2 I

or a pharmaceutically acceptable salt thereof,

wherein Z, L, R.sup.1, Q, D, V.sup.1, m, and R.sup.2 are as defined in the specification. The invention also provides pharmaceutical compositions comprising a compound of Formula I, or a pharmaceutically acceptable salt thereof, as defined in the specification, together with a pharmaceutically acceptable carrier, diluent, or excipient. The invention also provides methods of inhibiting an MMP-13 enzyme in an animal, comprising administering to the animal a compound of Formula I, or a pharmaceutically acceptable salt thereof. The invention also provides methods of treating a disease mediated by an MMP-13 enzyme in a patient, comprising administering to the patient a compound of Formula I, or a pharmaceutically acceptable salt thereof, either alone or in a pharmaceutical composition. The invention also provides methods of treating diseases such as heart disease, multiple sclerosis, osteo- and rheumatoid arthritis, arthritis other than osteo- or rheumatoid arthritis, cardiac insufficiency, inflammatory bowel disease, heart failure, age-related macular degeneration, chronic obstructive pulmonary disease, asthma, periodontal diseases, psoriasis, atherosclerosis, and osteoporosis in a patient, comprising administering to the patient a compound of Formula I, or a pharmaceutically acceptable salt thereof, either alone or in a pharmaceutical composition. The invention also provides combinations, comprising a compound of Formula I, or a pharmaceutically acceptable salt thereof, together with another pharmaceutically active component as described in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:83217 USPATFULL
TITLE: Cyclic compounds containing zinc binding groups as matrix metalloproteinase inhibitors
INVENTOR(S): Johnson, Adam Richard, Ann Arbor, MI, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004063673	A1	20040401	
APPLICATION INFO.:	US 2003-634531	A1	20030805	(10)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2002-403255P	20020813	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: WARNER-LAMBERT COMPANY, 2800 PLYMOUTH RD, ANN ARBOR, MI, 48105
NUMBER OF CLAIMS: 11
EXEMPLARY CLAIM: 1
LINE COUNT: 6367
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 132 USPATFULL on STN
TI Synthetic procedures for peptide nucleic acids
AB A novel class of compounds, known as peptide nucleic acids, bind complementary ssDNA and RNA strands more strongly than a corresponding DNA. The peptide nucleic acids generally comprise ligands such as naturally occurring DNA bases attached to a peptide backbone through a suitable linker.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2004:79009 USPATFULL
TITLE: Synthetic procedures for peptide nucleic acids
INVENTOR(S): Buchardt, Ole, late of Vaerlose, DENMARK deceased
Buchardt, D., Sondergardsvej 73, 3500 Vaerlose, DENMARK
legal representative
Egholm, Michael, Sindshvilevej 5, 3. tv., 2000, Frederiksburg, DENMARK
Nielsen, Peter Eigil, Hjortevaenget 509, 2980, Kokkedal, DENMARK
Berg, Rolf Henrik, Langelandsvej 20 B, 3.tv. 2000, Frederiksberg, DENMARK

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6713602	B1	20040330	
APPLICATION INFO.:	US 1995-462977		19950605	(8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-108591, filed on 22 Nov 1993, now patented, Pat. No. US 6395474			

	NUMBER	DATE
PRIORITY INFORMATION:	DK 1991-986	19910524
	DK 1991-987	19910524
	DK 1992-510	19920415

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Marschel, Ardin H.
LEGAL REPRESENTATIVE: Woodcock Washburn LLP
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 36 Drawing Figure(s); 31 Drawing Page(s)
LINE COUNT: 5802
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 132 USPATFULL on STN
TI Hapten-carrier conjugates and uses thereof
AB The present invention provides compositions comprising a conjugate of a hapten with a carrier in an ordered and repetitive array, and methods of making such compositions. The conjugates and compositions of the invention may comprise a variety of haptens, including hormones, toxins and drugs, especially drugs of addiction such as nicotine. Compositions and conjugates of the invention are useful for inducing immune responses against haptens, which can use useful in a variety of therapeutic, prophylactic and diagnostic regimens. In certain embodiments, immune responses generated using the conjugates, compositions and methods of the present invention are useful to prevent or treat addiction to drugs of abuse and the resultant diseases associated with drug addiction.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2004:77315 USPATFULL			
TITLE:	Hapten-carrier conjugates and uses thereof			
INVENTOR(S):	Bachmann, Martin F., Seuzach, SWITZERLAND Maurer, Patrik, Winterthur, SWITZERLAND			
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004059094	A1	20040325	
APPLICATION INFO.:	US 2003-622064	A1	20030718	(10)
	NUMBER		DATE	
PRIORITY INFORMATION:	US 2002-396575P		20020718	(60)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	APPLICATION			
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005			
NUMBER OF CLAIMS:	115			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	10 Drawing Page(s)			
LINE COUNT:	4790			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 132 USPATFULL on STN
TI Peptide nucleic acids having enhanced binding affinity, sequence specificity and solubility
AB A novel class of compounds known as peptide nucleic acids, bind complementary DNA and RNA strands, and generally do so more strongly than the corresponding DNA or RNA strands while exhibiting increased sequence specificity and solubility. The peptide nucleic acids comprise ligands selected from a group consisting of naturally-occurring nucleobases and non-naturally-occurring nucleobases, including 2,6-diaminopurine, attached to a polyamide backbone, and contain alkyl amine side chains.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2004:72656 USPATFULL
TITLE:	Peptide nucleic acids having enhanced binding affinity, sequence specificity and solubility
INVENTOR(S):	Nielsen, Peter E., Hjortev.ae butted.nget 509, 2980 Kokkedal, DENMARK Egholm, Michael, 34 Grove St., Wayland, MA, United States 01778 Berg, Rolf H., Strandv.ae butted.nget 6, 2960 Rungsted Kyst, DENMARK Buchardt, Ole, late of V.ae butted.rlose, DENMARK deceased Buchardt, Dorte, Sondergardsvej 73, 3500 V.ae

butted.rlose, DENMARK legal representative

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6710164	B1	20040323	
	WO 9803542		19980129	
APPLICATION INFO.:	US 1999-230088		19990310	(9)
	WO 1997-US12811		19970724	

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-685484, filed on 24 Jul 1996, now patented, Pat. No. US 5719262
Continuation-in-part of Ser. No. US 1996-686116, filed on 24 Jul 1996, now patented, Pat. No. US 5714331
Continuation-in-part of Ser. No. US 1996-686114, filed on 24 Jul 1996, now patented, Pat. No. US 6414112
Continuation-in-part of Ser. No. US 1996-686113, filed on 24 Jul 1996, now patented, Pat. No. US 5766855
Continuation-in-part of Ser. No. US 1993-108591, filed on 22 Nov 1993, now patented, Pat. No. US 6395474

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-51002P	19970529 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Marschel, Ardin H.
LEGAL REPRESENTATIVE: Woodcock Washburn LLP
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 12 Drawing Page(s)
LINE COUNT: 4682
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> e vale, R/au

E1	12		VALE WYLIE W JR/AU
E2	1		VALE Z S/AU
E3	0	-->	VALE, R/AU
E4	1		VALEA/AU
E5	4		VALEA A/AU
E6	3		VALEA D/AU
E7	1		VALEA D C/AU
E8	2		VALEA DIANNE C/AU
E9	21		VALEA F/AU
E10	46		VALEA F A/AU
E11	1		VALEA FIDAL A/AU
E12	10		VALEA FIDEL/AU

=> e Thorn,K/au

E1	3		THORN Z/AU
E2	1		THORN Z E/AU
E3	0	-->	THORN,K/AU
E4	3		THORNAGEL A/AU
E5	3		THORNAGEL ALEXANDRA/AU
E6	3		THORNAGEL K/AU
E7	2		THORNAGEL M/AU
E8	1		THORNAGEL N/AU
E9	1		THORNAGEL W/AU
E10	1		THORNALLEY G/AU
E11	2		THORNALLEY M/AU
E12	1		THORNALLEY M J/AU

=> e cooke, R/au

E1	1	COOKE Z/AU
E2	2	COOKE Z R/AU

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E3             0 --> COOKE, R/AU
E4             3     COOKEAS E G/AU
E5             1     COOKEAS EFSTATHIOS G/AU
E6             2     COOKEHJ/AU
E7             1     COOKEI D II/AU
E8             1     COOKELLL DAVID B/AU
E9             1     COOKEM D L/AU
E10            1     COOKEMANE GOPALAKRISHNA S/AU
E11            6     COOKENHAM T/AU
E12           11     COOKENHAM TRES/AU

=> e Matuska, M/au
E1             2     MATUSKA W H/AU
E2             1     MATUSKA Y/AU
E3             0 --> MATUSKA, M/AU
E4             1     MATUSKAWA Y/AU
E5             1     MATUSKEY P V/AU
E6             1     MATUSKI AKITOMO/AU
E7             1     MATUSKI J E/AU
E8             1     MATUSKI T/AU
E9             1     MATUSKIEWIC ROWINSKA J/AU
E10            1     MATUSKIEWICZ L/AU
E11            1     MATUSKO M/AU
E12            4     MATUSKO P/AU

=> e Naber, N/au
E1             2     NABER WILFRIED/AU
E2             2     NABER WILLIAM/AU
E3             0 --> NABER, N/AU
E4             1     NABERA C B/AU
E5             1     NABERA CHRISTELE BILHOU/AU
E6             4     NABERAN C/AU
E7             1     NABERAN E/AU
E8             9     NABERAN K/AU
E9             1     NABERAN KARLOS/AU
E10            3     NABERAN TONA C/AU
E11           15     NABERAN TONA K/AU
E12            3     NABERAN TONA K X/AU

=> d his

     (FILE 'HOME' ENTERED AT 15:22:05 ON 28 MAY 2004)

     FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, FSTA, CEN, CEABA-VTB,
     BIOSIS, BIOBUSINESS, JICST-EPLUS, JAPIO' ENTERED AT 15:22:39 ON 28 MAY
     2004
L1        246905 S FLASH OR FLUORESCEIN ARSENICAL HELIX BINDER?
L2          5558 S L1 AND ACYLATION
L3          2483 S L2 AND AMINO ACID
L4           330 S L3 AND (BETA ALANINE)
L5       1745185 S PROTEIN PURIFICATION OR ISOLATION
L6           132 S L5 AND L4
                 E VALE, R/AU
                 E THORN,K/AU
                 E COOKE, R/AU
                 E MATUSKA, M/AU
                 E NABER, N/AU

=> s polypeptide isolation adj2 Fluorescein arsenical helix binder
L7             0 POLYPEPTIDE ISOLATION ADJ2 FLUORESCEIN ARSENICAL HELIX BINDER

=> d his

     (FILE 'HOME' ENTERED AT 15:22:05 ON 28 MAY 2004)
```

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, FSTA, CEN, CEABA-VTB, BIOSIS, BIOBUSINESS, JICST-EPLUS, JAPIO' ENTERED AT 15:22:39 ON 28 MAY 2004

L1 246905 S FLASH OR FLUORESCEIN ARSENICAL HELIX BINDER?
L2 5558 S L1 AND ACYLATION
L3 2483 S L2 AND AMINO ACID
L4 330 S L3 AND (BETA ALANINE)
L5 1745185 S PROTEIN PURIFICATION OR ISOLATION
L6 132 S L5 AND L4
E VALE, R/AU
E THORN,K/AU
E COOKE, R/AU
E MATUSKA, M/AU
E NABER, N/AU
L7 0 S POLYPEPTIDE ISOLATION ADJ2 FLUORESCEIN ARSENICAL HELIX BINDER

=> d l6 ti abs ibib 125-132

L6 ANSWER 125 OF 132 USPATFULL on STN
TI Nucleosides possessing blocked aliphatic amino groups
AB The invention consists of compounds and methods for the synthesis of oligonucleotides which contain one or more free aliphatic amino groups attached to the sugar moieties of the nucleoside subunits. The synthetic method is versatile and general, permitting amino groups to be selectively placed at any position on oligonucleotides of any composition or length which is attainable by current DNA synthetic methods. Fluorescent dyes or other detectable moieites may be covalently attached to the amino groups to yield the corresponding modified oligonucleotide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	91:38568 USPATFULL		
TITLE:	Nucleosides possessing blocked aliphatic amino groups		
INVENTOR(S):	Smith, Lloyd M., South Pasadena, CA, United States Fund, Steven, Palo Alto, CA, United States Kaiser, Jr., Robert J., Glendale, CA, United States		
PATENT ASSIGNEE(S):	California Institute of Technology, Pasadena, CA, United States (U.S. corporation)		
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5015733		19910514
APPLICATION INFO.:	US 1988-287387		19881219 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1986-878045, filed on 24 Jun 1986, now patented, Pat. No. US 4849513, issued on 18 Jul 1989 which is a continuation-in-part of Ser. No. US 1985-709579, filed on 8 Mar 1985, now abandoned which is a continuation-in-part of Ser. No. US 1983-565010, filed on 20 Dec 1983, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Brown, Johnnie R.		
ASSISTANT EXAMINER:	Kunz, Gary L.		
LEGAL REPRESENTATIVE:	Mueth, Joseph E.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1803		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 126 OF 132 USPATFULL on STN
TI Renin inhibitors containing 5-amino-2,5-disubstituted-4-hydroxypentanoic acid residues
AB A series of novel polypeptide derivatives, containing

5-amino-2,5-disubstituted-4-hydroxypentanoic acid residues, which are useful for inhibiting the angiotensinogen-cleaving action of the enzyme renin. Particularly valuable precursors for many of these compounds are certain other 5-amino-2,5-disubstituted-4-hydroxypentanoic acid derivatives.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	91:13070 USPATFULL
TITLE:	Renin inhibitors containing 5-amino-2,5-disubstituted-4-hydroxypentanoic acid residues
INVENTOR(S):	Kleinman, Edward F., Groton, CT, United States Rosati, Robert L., Stonington, CT, United States Bindra, Jasjit S., Groton, CT, United States
PATENT ASSIGNEE(S):	Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4992562		19910212	
APPLICATION INFO.:	US 1990-497478		19900322	(7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1987-336697, filed on 2 Nov 1987, now patented, Pat. No. US 4948913 which is a division of Ser. No. US 1986-858324, filed on 30 Apr 1986, now patented, Pat. No. US 4729985 which is a continuation-in-part of Ser. No. US 1985-764168, filed on 8 Aug 1985, now abandoned			
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Raymond, Richard L.			
ASSISTANT EXAMINER:	Trinh, Ba K.			
LEGAL REPRESENTATIVE:	Richardson, Peter C., Lumb, J. Trevor, Blackwood, Robert K.			
NUMBER OF CLAIMS:	2			
EXEMPLARY CLAIM:	1			
LINE COUNT:	2105			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 127 OF 132 USPATFULL on STN

TI Renin inhibitors containing 5-amino-2,5-disubstituted-4-hydroxypentanoic acid residues

AB A series of novel polypeptide derivatives, containing 5-amino-2,5-disubstituted-4-hydroxypentanoic acid residues, which are useful for inhibiting the angiotensinogen-cleaving action of the enzyme renin. Particularly valuable precursors for many of these compounds are certain other 5-amino-2,5-disubstituted-4-hydroxypentanoic acid derivatives.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	90:63636 USPATFULL
TITLE:	Renin inhibitors containing 5-amino-2,5-disubstituted-4-hydroxypentanoic acid residues
INVENTOR(S):	Kleinman, Edward F., Groton, CT, United States Rosati, Robert L., Groton, CT, United States Bindra, Jasjit S., Groton, CT, United States
PATENT ASSIGNEE(S):	Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4948913		19900814	
APPLICATION INFO.:	US 1987-336697		19871102	(7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1986-858324, filed on 30 Apr 1986, now patented, Pat. No. US 4729985 which is a continuation-in-part of Ser. No. US 1985-764168, filed			

on 8 Aug 1985, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Shippen, Michael L.
LEGAL REPRESENTATIVE: Richardson, Peter C., Lumb, J. Trevor, Blackwood, Robert K.
NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1
LINE COUNT: 2094
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 128 OF 132 USPATFULL on STN
TI Deoxyribonucleoside phosphoramidites in which an aliphatic amino group is attached to the sugar ring and their use for the preparation of oligonucleotides containing aliphatic amino groups
AB The invention consists of compounds and methods for the synthesis of oligonucleotides which contain one or more free aliphatic amino groups attached to the sugar moieties of the nucleoside subunits. The synthetic method is versatile and general, permitting amino groups to be selectively placed at any position on oligonucleotides of any composition or length which is attainable by current DNA synthetic methods. Fluorescent dyes or other detectable moieties may be covalently attached to the amino groups to yield the corresponding modified oligonucleotide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 89:58823 USPATFULL
TITLE: Deoxyribonucleoside phosphoramidites in which an aliphatic amino group is attached to the sugar ring and their use for the preparation of oligonucleotides containing aliphatic amino groups
INVENTOR(S): Smith, Lloyd M., South Pasadena, CA, United States
Fung, Steven, Palo Alto, CA, United States
PATENT ASSIGNEE(S): California Institute of Technology, Pasadena, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4849513		19890718
APPLICATION INFO.:	US 1986-878045		19860624 (6)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1983-565010, filed on 20 Dec 1983, now abandoned And Ser. No. US 1985-709579, filed on 8 Mar 1985, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brown, Johnnie R.
ASSISTANT EXAMINER: Tou, Jenny
LEGAL REPRESENTATIVE: Mueth, Joseph E.
NUMBER OF CLAIMS: 67
EXEMPLARY CLAIM: 1
LINE COUNT: 1959
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 129 OF 132 USPATFULL on STN
TI Thietanyl-substituted amides and use thereof as sweeteners
AB This invention is directed to food sweeteners of the formula: ##STR1## wherein A is hydrogen, alkyl containing 1-3 carbon atoms, hydroxyalkyl containing 1-3 carbon atoms, alkoxymethyl wherein the alkoxy contains 1-3 carbon atoms or carbalkoxy wherein the alkoxy group contains 1-3 carbon atoms;

A' is hydrogen or alkyl containing 1-3 carbon atoms;

A and A' taken together with the carbon atom to which they are attached

form cycloalkyl containing 3-4 carbon atoms;

Z is --CH.sub.2 CH.sub.2 --; --CH.dbd.CH; ##STR2## Y is thietanyl or alkyl-substituted thietanyl containing up to a total of 8 carbon atoms;

B' is H or an amino protecting group with the proviso that when Z is ##STR3## B' is not H; and food acceptable salts thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 88:45527 USPATFULL
TITLE: Thietanyl-substituted amides and use thereof as sweeteners
INVENTOR(S): Roy, Glenn M., Garnerville, NY, United States
Barnett, Ronald E., Suffern, NY, United States
Zanno, Paul R., Nanuet, NY, United States
PATENT ASSIGNEE(S): General Foods Corporation, White Plains, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4758443		19880719	
APPLICATION INFO.:	US 1986-875854		19860618	(6)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Golian, Joseph
LEGAL REPRESENTATIVE: Grim, Linn I., Donovan, Daniel J.
NUMBER OF CLAIMS: 49
EXEMPLARY CLAIM: 1,43
LINE COUNT: 994
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 130 OF 132 USPATFULL on STN
TI Renin inhibitors containing 5-amino-2,5-disubstituted-4-hydroxypentanoic acid residues
AB A series of novel polypeptide derivatives, containing 5-amino-2,5-disubstituted-4-hydroxypentanoic acid residues, which are useful for inhibiting the angiotensinogen-cleaving action of the enzyme renin. Particularly valuable precursors for many of these compounds are certain other 5-amino-2,5-disubstituted-4-hydroxypentanoic acid derivatives.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 88:14681 USPATFULL
TITLE: Renin inhibitors containing 5-amino-2,5-disubstituted-4-hydroxypentanoic acid residues
INVENTOR(S): Kleinman, Edward F., Groton, CT, United States
Rosati, Robert L., Stonington, CT, United States
Bindra, Jasjit S., Groton, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4729985		19880308	
APPLICATION INFO.:	US 1986-858324		19860430	(6)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1985-764168, filed on 9 Aug 1985, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Phillips, Delbert R.
LEGAL REPRESENTATIVE: Richardson, Peter C., Frost, Albert E., Blackwood, Robert K.
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1

LINE COUNT: 2140
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 131 OF 132 USPATFULL on STN
TI Substituted tetrapeptides
AB Tetrapeptides of the formula I, ##STR1## in which R.sup.1 represents hydrogen or acyl, R.sup.2 represents alkyl or aralkyl, R.sup.3 represents free or functionally modified hydroxy, R.sup.4 represents free or substituted amino or free or etherified hydroxy, and -Pro-, -Phe- and -His- respectively represent the bivalent radicals of the amino acids proline, phenylalanine and histidine or the (D)-isomers thereof, salts of such compounds having salt-forming groups, and processes for their manufacture.

The compounds inhibit the action of the enzyme renin and can be used as antihypertensives and for the treatment of cardiac insufficiency.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 86:35675 USPATFULL
TITLE: Substituted tetrapeptides
INVENTOR(S): Riniker, Bernhard, Frenkendorf, Switzerland
Buhlmayer, Peter, Arlesheim, Switzerland
Fuhrer, Walter, Frenkendorf, Switzerland
PATENT ASSIGNEE(S): Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4595677		19860617	
APPLICATION INFO.:	US 1983-554735		19831123	(6)

	NUMBER	DATE
PRIORITY INFORMATION:	CH 1982-7047	19821203
	CH 1983-3635	19830701

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Phillips, Delbert R.
ASSISTANT EXAMINER: Moezie, F. T.
LEGAL REPRESENTATIVE: Glynn, Michael W., Fishman, Irving M.
NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1
LINE COUNT: 2593
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 132 OF 132 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
TI Isolating polypeptide of interest from cell lysate or crude polypeptide extract, by using a modified **Fluorescein arsenical helix binder** compound immobilized on a solid support.
AN 2001-602285 [68] WPIDS
AB WO 200153325 A UPAB: 20011121
NOVELTY - A method of isolating (M) a polypeptide of interest comprises contacting a modified **Fluorescein arsenical helix binder** (**FlAsH**) compound immobilized on a solid support with a solution containing modified polypeptide, to contain a **FlAsH** target sequence motif, under conditions to allow binding of polypeptide to immobilized **FlAsH** compound, and eluting the polypeptide from immobilized **FlAsH** compound.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) a DNA construct (DC) comprising an origin of replication, a selectable marker, a promoter that allows expression of the polypeptide and a multiple cloning site, where at the 5' or 3' end of the multiple cloning site is a genetically-encoded affinity tag or is a **FlAsH** target sequence motif;

(2) a method for producing a polypeptide of interest which has at its N-terminus a genetically-encoded affinity tag and at its C-terminus a **FlAsH** target sequence motif comprises:

(i) expressing a DNA sequence which encodes the polypeptide of interest from DC in a cell and producing the polypeptide of interest from the cells;

(ii) contacting a solution comprising (a) polypeptide with an affinity resin binding to the affinity tag, (b) eluting polypeptides to affinity column, (c) contacting the modified FIAsH compounds immobilized on a solid support with polypeptides from (b) under conditions that allow binding of polypeptide to FIAsH compound, and (d) eluting the polypeptide from immobilized FIAsH compound; or

(iii) contacting a solution comprising (a) polypeptide with a FIAsH compound immobilized to a solid support, (b) eluting polypeptides to immobilized FIAsH compound, (c) contacting an affinity resin with the polypeptide solution from (b) under conditions that allow binding of polypeptide to the affinity resin, and (d) eluting the polypeptide from affinity resin; or

(3) a kit comprising a modified **FlAsH** compound immobilized on a solid support; and

(4) a modified **FlAsH** of formula (I), its tautomers, anhydrides or salts, where R is the product of an **acylation** reaction using any **amino acid**.

USE - (M) is useful for isolating a polypeptide of interest from a cell lysate, crude polypeptide extract, partially purified polypeptide extract, a cell or cell free solution derived from plant, prokaryote or an eukaryote (claimed).

ADVANTAGE - The method yields substantially pure protein from a single purification step. The specific reaction between modified bis-arsenical molecule and target sequence is reversible and the complex containing the modified bis-arsenical molecule and target sequence can be dissociated. **Protein purification** using the immobilized **FlAsH** compound can be adapted for use in many different types of chromatography.

Dwg.0/1

ACCESSION NUMBER: 2001-602285 [68] WPIDS
DOC. NO. CPI: C2001-178345
TITLE: Isolating polypeptide of interest from cell lysate or crude polypeptide extract, by using a modified **Fluorescein arsenical helix binder** compound immobilized on a solid support.
DERWENT CLASS: A89 B04 D16 E12 E23
INVENTOR(S): COOKE, R; MATUSKA, M; NABER, N; THORN, K; VALE, R D
PATENT ASSIGNEE(S): (REGC) UNIV CALIFORNIA
COUNTRY COUNT: 22

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2001053325	A2	20010726	(200168)*	EN	52
RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
W: AU CA JP					
AU 2001031086	A	20010731	(200171)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001053325	A2	WO 2001-US2214	20010122
AU 2001031086	A	AU 2001-31086	20010122

FILING DETAILS:

PATENT NO	KIND	PATENT NO

AU 2001031086 A Based on WO 2001053325

PRIORITY APPLN. INFO: US 2000-502664 20000211; US
2000-178054P 20000124

=> d his

(FILE 'HOME' ENTERED AT 15:22:05 ON 28 MAY 2004)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, FSTA, CEN, CEABA-VTB, BIOSIS, BIOBUSINESS, JICST-EPLUS, JAPIO' ENTERED AT 15:22:39 ON 28 MAY 2004

L1 246905 S FLASH OR FLUORESCEIN ARSENICAL HELIX BINDER?
L2 5558 S L1 AND ACYLATION
L3 2483 S L2 AND AMINO ACID
L4 330 S L3 AND (BETA ALANINE)
L5 1745185 S PROTEIN PURIFICATION OR ISOLATION
L6 132 S L5 AND L4
E VALE, R/AU
E THORN,K/AU
E COOKE, R/AU
E MATUSKA, M/AU
E NABER, N/AU
L7 0 S POLYPEPTIDE ISOLATION ADJ2 FLUORESCEIN ARSENICAL HELIX BINDER

=> d l6 ti abs ibib 115-124

L6 ANSWER 115 OF 132 USPATFULL on STN
TI Process for antibody combining site-catalyzed SYN elimination in the formation of a CIS olefin
AB A process is disclosed by which a substrate is catalytically converted to a cis olefin via a syn elimination reaction. The catalyst is a monoclonal antibody or paratope-containing molecule that binds to the substrate as well as to a bicyclo[2.2.1]heptane or bicylo[2.2.2]octane compound that is an analogue to the substrate having its bulky substituents in eclipsed positions. The chemical reaction is carried out in an aqueous medium. The catalyst molecules and hybridoma cells that secrete those molecules are also contemplated, as is a process for using cyclopentadiene or cyclohexadiene to prepare a hapten used to induce production of the catalyst molecules.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	95:114644 USPATFULL
TITLE:	Process for antibody combining site-catalyzed SYN elimination in the formation of a CIS olefin
INVENTOR(S):	Cravatt, Benjamin F., San Diego, CA, United States Ashley, Jon A., Chula Visa, CA, United States Janda, Kim D., San Diego, CA, United States Boger, Dale L., La Jolla, CA, United States Lerner, Richard A., La Jolla, CA, United States
PATENT ASSIGNEE(S):	The Scripps Research Institute, La Jolla, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5478728		19951226	
APPLICATION INFO.:	US 1994-296323		19940825	(8)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Patterson, Jr., Charles L.			
LEGAL REPRESENTATIVE:	Welsh & Katz, Ltd.			
NUMBER OF CLAIMS:	18			

EXEMPLARY CLAIM: 1
LINE COUNT: 1651
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 116 OF 132 USPATFULL on STN
TI Macrocyclic immunomodulators
AB Immunomodulatory macrocyclic compounds having the formula ##STR1## and pharmaceutically acceptable salts, esters, amides and prodrugs thereof, wherein X is selected from one of the formulae ##STR2## as well as pharmaceutical compositions containing the same.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 95:90535 USPATFULL
TITLE: Macrocyclic immunomodulators
INVENTOR(S): Luly, Jay R., Libertyville, IL, United States
Kawai, Megumi, Libertyville, IL, United States
Or, Yat S., Libertyville, IL, United States
Wiedeman, Paul, Libertyville, IL, United States
Wagner, Rolf, Gurnee, IL, United States
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5457111		19951010
APPLICATION INFO.:	US 1993-149416		19931109 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1993-32958, filed on 17 Mar 1993, now abandoned which is a continuation-in-part of Ser. No. US 1991-755208, filed on 5 Sep 1991, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Bond, Robert T.
LEGAL REPRESENTATIVE: Danckers, Andreas M., Crowley, Steven R.
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
LINE COUNT: 7685
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 117 OF 132 USPATFULL on STN
TI Renin inhibitors
AB A renin inhibiting compound of the formula: ##STR1## wherein X is O, NH or S and G is a mimic of the Leu-Val cleavage site of angiotensinogen; or a pharmaceutically acceptable salt, ester or prodrug thereof; with the proviso that the compound is not N-(3-(4-Morpholino)propyl)-5(S)-(2(S)-(1(S)-(4-methoxymethoxy)piperidin-1-yl)carbonyl-2-phenyl)ethoxyhexanamido)-6-cyclohexyl-4(S)-hydroxy-2(S)-isopropylhexanamide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 95:13880 USPATFULL
TITLE: Renin inhibitors
INVENTOR(S): Baker, William R., Libertyville, IL, United States
Boyd, Steven A., Mundelein, IL, United States
Fung, Anthony K. L., Gurnee, IL, United States
Stein, Herman H., Highland Park, IL, United States
Denissen, Jon F., McHenry, IL, United States
Hutchins, Charles W., Gurnee, IL, United States
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5389647		19950214

APPLICATION INFO.: US 1993-71747 19930609 (8)
RELATED APPLN. INFO.: Division of Ser. No. US 1994-736364, filed on 31 Jul 1994, now patented, Pat. No. US 5244910 And a continuation-in-part of Ser. No. US 1991-680811, filed on 9 Apr 1991, now patented, Pat. No. US 5122514 , said Ser. No. US -736364 which is a continuation-in-part of Ser. No. US 1990-568557, filed on 15 Aug 1990, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Chang, Celia
LEGAL REPRESENTATIVE: Crowley, Steven R.
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 3868
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 118 OF 132 USPATFULL on STN
TI **Amino acid** analogs as CCK antagonists
AB Novel unnatural dipeptoids useful as agents in the treatment of obesity, hypersecretion of gastric acid in the gut, gastrin-dependent tumors, or as antipsychotics are disclosed. Further, the compounds are antianxiety agents and antiulcer agents. The compounds are agents useful for preventing the response to withdrawal from chronic treatment or use of nicotine, diazepam, alcohol, cocaine, caffeine, and opioids. The compounds are also useful in treating and/or preventing panic attacks. Also disclosed are pharmaceutical compositions and methods of treatment using the dipeptoids as well as processes for preparing them and novel intermediates useful in their preparation. An additional feature of the invention is the use of the subject compounds to prepare diagnostic compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 94:62467 USPATFULL
TITLE: **Amino acid** analogs as CCK antagonists
INVENTOR(S): Horwell, David C., Cambridge, England
Aranda, Julian, Vorstetten, Germany, Federal Republic of
Augelli-Szafran, Corinne, Ypsilanti, MI, United States
Betche, Hans-Jurgen, Vorstetten, Germany, Federal Republic of
Holmes, Ann, Dexter, MI, United States
Mullican, Michael D., Ypsilanti, MI, United States
Pritchard, Martyn C., Cambridge, England
Richardson, Reginald S., Haverhill, England
Roberts, Edward, Newmarket, England
Roth, Bruce D., Ann Arbor, MI, United States
Tait, Bradley D., Canton, MI, United States
Trivedi, Bharat K., Farmington Hills, MI, United States
Trostmann, Uwe, March-Hugstetten, Germany, Federal Republic of
Unangst, Paul C., Ann Arbor, MI, United States
PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5331006		19940719
APPLICATION INFO.:	US 1991-726656		19910712 (7)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1990-576308, filed on 31 Aug 1990, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted

PRIMARY EXAMINER: Chang, Celia
LEGAL REPRESENTATIVE: Anderson, Elizabeth M.
NUMBER OF CLAIMS: 24
EXEMPLARY CLAIM: 1
LINE COUNT: 3785
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 119 OF 132 USPATFULL on STN
TI Dynemicin analogs: synthesis, methods of preparation and use
AB A fused ring system compound is disclosed that contains an epoxide group on one side of the fused rings and an enediyne macrocyclic ring on the other side of the fused rings. The compounds have DNA-cleaving, antimicrobial and tumor growth-inhibiting properties. Chimeric compounds having the fused ring system compound as an aglycone bonded to (i) a sugar moiety as the oligosaccharide portion or (ii) a monoclonal antibody or antibody combining site portion thereof that immunoreacts with target tumor cells are also disclosed. Compositions containing a compound or a chimer are disclosed, as are methods of preparing a compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 94:7803 USPATFULL
TITLE: Dynemicin analogs: synthesis, methods of preparation and use
INVENTOR(S): Smith, Adrian L., Bishops Stortford, England
Hwang, Chan-Kou, San Diego, CA, United States
Wenderborn, Sebastian V., La Jolla, CA, United States
Nicolaou, Kyriacos C., La Jolla, CA, United States
Schreiner, Erwin P., Gerasdorf, Austria
Stahl, Wilhelm, Frankfurt am Main, Germany, Federal Republic of
Dai, Wei-Min, Clear Water Bay, Hong Kong
Maligres, Peter E., Scotch Plains, NJ, United States
Suzuki, Toshio, Niigata, Japan
PATENT ASSIGNEE(S): The Scripps Research Institute, La Jolla, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5281710		19940125
APPLICATION INFO.:	US 1992-939104		19920901 (7)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1992-886984, filed on 21 May 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-788225, filed on 5 Nov 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-734613, filed on 23 Jul 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-673199, filed on 21 Mar 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-562269, filed on 1 Aug 1990, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Tsang, Cecilia
LEGAL REPRESENTATIVE: Dressler, Goldsmith, Shore & Milnamow, Ltd.
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 13 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 7247
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 120 OF 132 USPATFULL on STN
TI N-substituted cycloalkyl and polycycloalkyl alpha-substituted Trp-Phe- and phenethylamine derivatives

AB Novel unnatural dipeptoids of α-substituted Trp-Phe derivatives useful as agents in the treatment of obesity, hypersecretion of gastric acid in the gut, gastrin-dependent tumors, or as antipsychotics are disclosed. Further the compounds are antianxiety agents, antiulcer agents, antidepressant agents, and are agents useful for preventing the withdrawal response produced by chronic treatment or use followed by chronic treatment followed by withdrawal from nicotine, diazepam, alcohol, cocaine, caffeine, or opiods. Also disclosed are pharmaceutical compositions and methods of treatment using the dipeptoids as well as processes for preparing them and novel intermediates useful in their preparation. An additional feature of the invention is the use of the subject compounds to prepare pharmaceutical and diagnostic compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 94:3937 USPATFULL

TITLE: N-substituted cycloalkyl and polycycloalkyl alpha-substituted Trp-Phe- and phenethylamine derivatives

INVENTOR(S): Horwell, David C., Cambridge, England
Pritchard, Martyn C., Cambridge, England
Richardson, Reginald S., Suffolk, England
Roberts, Edward, Newmarket, England
Aranda, Julian, Vorstetten, Germany, Federal Republic of

PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5278316		19940111
APPLICATION INFO.:	US 1990-629809		19901219 (7)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1990-545222, filed on 28 Jun 1990, now abandoned which is a continuation-in-part of Ser. No. US 1990-530811, filed on 5 Jun 1990, now abandoned which is a continuation-in-part of Ser. No. US 1989-422486, filed on 16 Oct 1989, now abandoned which is a continuation-in-part of Ser. No. US 1989-374327, filed on 29 Jun 1989, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	NZ 1990-234264	19900627

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ivy, C. Warren
ASSISTANT EXAMINER: Chang, Celia
LEGAL REPRESENTATIVE: Anderson, Elizabeth M.
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 45 Drawing Figure(s); 25 Drawing Page(s)
LINE COUNT: 5378
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 121 OF 132 USPATFULL on STN

TI Dynemicin analogs: syntheses, methods of preparation and use

AB A fused ring system compound is disclosed that contains an epoxide group on one side of the fused rings and an enediyne macrocyclic ring on the other side of the fused rings. The compounds have DNA-cleaving, antimicrobial and tumor growth-inhibiting properties. Chimeric compounds having the fused ring system compound as an aglycone bonded to (i) a sugar moiety as the oligosaccharide portion or (ii) a monoclonal antibody or antibody combining site portion thereof that immunoreacts with target tumor cells are also disclosed. Compositions containing a

compound or a chimer are disclosed, as are methods of preparing a compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 94:1550 USPATFULL
TITLE: Dynemicin analogs: syntheses, methods of preparation and use
INVENTOR(S): Smith, Adrian L., Bishops Stortford, England
Hwang, Chan-Kou, San Diego, CA, United States
Wendeborn, Sebastian V., La Jolla, CA, United States
Nicolaou, Kyriacos C., La Jolla, CA, United States
Schreiner, Erwin P., Vienna, Austria
Stahl, Wilhelm, Frankfurt am Main, Germany, Federal Republic of
Dai, Wei-Min, San Diego, CA, United States
Maligres, Peter E., La Jolla, CA, United States
Suzuki, Toshio, Niigata, Japan
PATENT ASSIGNEE(S): The Scripps Research Institute, La Jolla, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5276159		19940104
APPLICATION INFO.:	US 1992-886984		19920521 (7)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1991-788225, filed on 5 Nov 1991 which is a continuation-in-part of Ser. No. US 1991-734613, filed on 23 Jul 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-673199, filed on 21 Mar 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-562269, filed on 1 Aug 1990, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Tsang, Cecilia
LEGAL REPRESENTATIVE: Dressler, Goldsmith, Shore, Sutker & Milnamow, Ltd.
NUMBER OF CLAIMS: 1
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 6827
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 122 OF 132 USPATFULL on STN
TI Renin inhibitors
AB A renin inhibiting compound of the formula: ##STR1## wherein X is O NH or S and G is a mimic of the Leu-Val cleavage site of angiotensinogen; or a pharmaceutically acceptable salt, ester or prodrug thereof; with the proviso that the compound is not N-(3-(4-Morpholino)propyl)-5(S)-(2(S)-(1(S)-(4-(methoxymethoxy)piperidin-1-yl)carbonyl-2-phenyl)ethoxyhexanamido)-6-cyclohexyl-4(S)-hydroxy-2(S)-isopropylhexanamide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 93:76528 USPATFULL
TITLE: Renin inhibitors
INVENTOR(S): Baker, William R., Libertyville, IL, United States
Boyd, Steven A., Mundelein, IL, United States
Fung, Anthony K. L., Gurnee, IL, United States
Stein, Herman H., Highland Park, IL, United States
Denissen, Jon F., McHenry, IL, United States
Hutchins, Charles W., Gurnee, IL, United States
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)

	NUMBER	KIND	DATE

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5244910		19930914	
APPLICATION INFO.:	US 1991-736364		19910731	(7)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1990-568557, filed on 15 Aug 1990, now abandoned And a continuation-in-part of Ser. No. US 1991-680811, filed on 9 Apr 1991, now patented, Pat. No. US 5122514, issued on 16 Jun 1992

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ivy, C. Warren
ASSISTANT EXAMINER: Chang, Celia
LEGAL REPRESENTATIVE: Crowley, Steven R.
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 3753
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 123 OF 132 USPATFULL on STN
TI DNA-reporter conjugates linked via the 2' or 5'-primary amino group of the 5'-terminal nucleoside
AB The invention consists of compounds and methods for the synthesis of oligonucleotides which contain one or more free aliphatic amino groups attached to the sugar moieties of the nucleoside subunits. The synthetic method is versatile and general, permitting amino groups to be selectively placed at any position on oligonucleotides of any composition or length which is attainable by current DNA synthetic methods. Fluorescent dyes or other detectable moieties may be covalently attached to the amino groups to yield the corresponding modified oligonucleotide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 92:44943 USPATFULL
TITLE: DNA-reporter conjugates linked via the 2' or 5'-primary amino group of the 5'-terminal nucleoside
INVENTOR(S): Smith, Lloyd M., South Pasadena, CA, United States
Fung, Steven, Palo Alto, CA, United States
Kaiser, Jr., Robert J., Glendale, CA, United States
PATENT ASSIGNEE(S): California Institute of Technology, Pasadena, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5118802		19920602	
APPLICATION INFO.:	US 1991-661913		19910227	(7)

RELATED APPLN. INFO.: Division of Ser. No. US 1988-287387, filed on 19 Dec 1988, now patented, Pat. No. US 5015733 which is a division of Ser. No. US 1988-878045, filed on 24 Jun 1988, now patented, Pat. No. US 4849513 which is a continuation-in-part of Ser. No. US 1985-709579, filed on 8 Mar 1985, now abandoned And a continuation-in-part of Ser. No. US 1983-565010, filed on 20 Dec 1983, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brown, Johnnie R.
ASSISTANT EXAMINER: Kunz, Gary L.
LEGAL REPRESENTATIVE: Mueth, Joseph E.
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
LINE COUNT: 1793
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 124 OF 132 USPATFULL on STN

TI Oligonucleotides possessing a primary amino group in the terminal nucleotide

AB The invention consists of compounds and methods for the synthesis of oligonucleotides which contain one or more free aliphatic amino groups attached to the sugar moieties of the nucleoside subunits. The synthetic method is versatile and general, permitting amino groups to be selectively placed at any position on oligonucleotides of any composition or length which is attainable by current DNA synthetic methods. Fluorescent dyes or other detectable moieties may be covalently attached to the amino groups to yield the corresponding modified oligonucleotide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 92:44941 USPATFULL

TITLE: Oligonucleotides possessing a primary amino group in the terminal nucleotide

INVENTOR(S): Smith, Lloyd M., South Pasadena, CA, United States
Fung, Steven, Palo Alto, CA, United States
Kaiser, Jr., Robert J., Glendale, CA, United States

PATENT ASSIGNEE(S): California Institute of Technology, Pasadena, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5118800		19920602
APPLICATION INFO.:	US 1991-661914		19910227 (7)

RELATED APPLN. INFO.: Division of Ser. No. US 1988-287387, filed on 19 Dec 1988, now patented, Pat. No. US 5015733 which is a division of Ser. No. US 1988-878045, filed on 24 Jun 1988, now patented, Pat. No. US 4849513 which is a continuation-in-part of Ser. No. US 1985-709579, filed on 8 Mar 1985, now abandoned which is a continuation-in-part of Ser. No. US 1983-565010, filed on 20 Dec 1983, now abandoned

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Brown, Johnnie R.

ASSISTANT EXAMINER: Kunz, Gary L.

LEGAL REPRESENTATIVE: Mueth, Joseph E.

NUMBER OF CLAIMS: 11

EXEMPLARY CLAIM: 1

LINE COUNT: 1816

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Refine Search

Search Results -

Terms	Documents
acylation adj2 FLASH	1

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
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Search:
In line 5 Delete " polystyrene/latex".L26

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DATE: Friday, May 28, 2004 Printable Copy Create Case

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DB=USPT; PLUR=YES; OP=OR			
L26	acylation adj2 FLASH	1	L26
L25	acylation near FLASH	0	L25
L24	L23 and EDT	0	L24
L23	L22 and cellulose	30	L23
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L20	L19 and immobilized	107	L20
L19	L18 and FLASH	775	L19
L18	L17 and beta-alanine	4006	L18
L17	l14 and amino acid	659715	L17
L16	L15 and l1	27709	L16
L15	L14 and beta alanine	31760	L15
L14	L13 and acylation	26	L14
L13	L12 and l1	648	L13

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L12	530/412.ccls.	1103	L12
L11	l1 and protein isolation	266048	L11
L10	L8 and l7	14	L10
L9	naber.in	0	L9
L8	Thorn.in.	369	L8
L7	L6 and l1	108055	L7
L6	protein isolation and l5	148292	L6
L5	L3 and l1	212	L5
L4	L3 and l2	0	L4
L3	cooke.in.	1214	L3
L2	vale.in.	212	L2
L1	fluorescein arsenical helix binder compound	765672	L1

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 14 returned.

☐ 1. Document ID: US 6703482 B2

L10: Entry 1 of 14 File: USPT Mar 9, 2004

US-PAT-NO: 6703482
DOCUMENT-IDENTIFIER: US 6703482 B2

TITLE: Src SH3 binding peptides and methods of isolating and using same

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kay; Brian K.	Chapel Hill	NC		
Sparks; Andrew B.	Carrboro	NC		
Thorn; Judith M.	Carrboro	NC		
Quilliam; Lawrence A.	Chapel Hill	NC		
Der; Channing J.	Chapel Hill	NC		

US-CL-CURRENT: 530/324; 530/300, 530/325

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 2. Document ID: US 6589936 B1

L10: Entry 2 of 14 File: USPT Jul 8, 2003

US-PAT-NO: 6589936
DOCUMENT-IDENTIFIER: US 6589936 B1

TITLE: Pharmaceutical compositions comprising recombinant troponin subunits

DATE-ISSUED: July 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thorn; Richard M.	North Easton	MA		
Lanser; Marc E.	Dover	MA		
Moses; Marsha A.	Brookline	MA		
Wiederschain; Dmitri G.	Brookline	MA		

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US-CL-CURRENT: 514/12; 435/69.1, 435/70.1, 514/2, 530/350

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 3. Document ID: US 6586401 B1

L10: Entry 3 of 14 File: USPT Jul 1, 2003

US-PAT-NO: 6586401
DOCUMENT-IDENTIFIER: US 6586401 B1

TITLE: Troponin subunit I fragment and homologs thereof

DATE-ISSUED: July 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thorn; Richard M.	North Easton	MA		
Lanser; Marc E.	Dover	MA		
Moses; Marsha A.	Brookline	MA		
Wiederschain; Dmitri G.	Drighton	MA		

US-CL-CURRENT: 514/13; 530/326

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 4. Document ID: US 6465431 B1

L10: Entry 4 of 14 File: USPT Oct 15, 2002

US-PAT-NO: 6465431
DOCUMENT-IDENTIFIER: US 6465431 B1

TITLE: Pharmaceutical compositions comprising troponin subunits, fragments and homologs thereof and methods of their use to inhibit angiogenesis

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thorn; Richard M.	North Easton	MA		
Lanser; Marc E.	Dover	MA		
Moses; Marsha A.	Brookline	MA		
Wiederschain; Dmitri G.	Brookline	MA		

US-CL-CURRENT: 514/16; 530/328

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 5. Document ID: US 6432920 B1

L10: Entry 5 of 14 File: USPT Aug 13, 2002

US-PAT-NO: 6432920
DOCUMENT-IDENTIFIER: US 6432920 B1
**** See image for Certificate of Correction ****

TITLE: Nck SH3 binding peptides

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sparks; Andrew B.	Baltimore	MD		
Kay; Brian K.	Madison	WI		
Thorn; Judith M.	Galesburg	IL		
Quilliam; Lawrence A.	Indianapolis	IN		
Der; Channing J.	Chapel Hill	NC		
Fowlkes; Dana M	Chapel Hill	NC		
Rider; James E	Eagan	MN		

US-CL-CURRENT: 514/14; 514/12, 514/13, 514/15, 530/324, 530/325, 530/326

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 6. Document ID: US 6410592 B1

L10: Entry 6 of 14 File: USPT Jun 25, 2002

US-PAT-NO: 6410592
DOCUMENT-IDENTIFIER: US 6410592 B1

TITLE: Aminomethylcarboxylic acid derivatives

DATE-ISSUED: June 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gibson; S. G.	Scotland			GB
Jaap; D. R.	Scotland			GB
Thorn; S. N.	England			GB
Gilfillan; R. R.	Scotland			GB

US-CL-CURRENT: 514/539; 514/100, 514/187, 514/311, 514/82, 546/165, 560/100, 560/37

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 7. Document ID: US 6313139 B1

L10: Entry 7 of 14 File: USPT Nov 6, 2001

US-PAT-NO: 6313139
DOCUMENT-IDENTIFIER: US 6313139 B1

TITLE: Benzylamine derivatives which are useful in treating psychiatric disorders

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dijcks; Fredericus Antonius	Oss			NL
Leysen; Dirk	Lommel			BE
Linders; Joannes Theodorus Maria	Oss			NL
Ruigt; Gerardus Stephanus Franciscus	Oss			NL
Carlyle; Ian Craig	Hamilton-Lanarlshire			GB
Grove; Simon James Anthony	Glasgow			GB
Rae; Duncan Robertson	Lanark			GB
Thorn; Simon N.	Kirknewtown			GB

US-CL-CURRENT: 514/302; 546/115

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 8. Document ID: US 6303574 B1

L10: Entry 8 of 14 File: USPT Oct 16, 2001

US-PAT-NO: 6303574
DOCUMENT-IDENTIFIER: US 6303574 B1
**** See image for Certificate of Correction ****

TITLE: Scr SH3 binding peptides and methods of isolating and using same

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kay; Brian K.	Chapel Hill	NC		
Sparks; Andrew B.	Carrboro	NC		
Thorn; Judith M.	Carrboro	NC		
Quilliam; Lawrence A.	Chapel Hill	NC		
Der; Channing J.	Chapel Hill	NC		

US-CL-CURRENT: 514/14; 514/12, 514/13, 514/15, 530/324, 530/325, 530/326, 530/327, 530/328

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 9. Document ID: US 6184205 B1

L10: Entry 9 of 14 File: USPT Feb 6, 2001

US-PAT-NO: 6184205
DOCUMENT-IDENTIFIER: US 6184205 B1
**** See image for Certificate of Correction ****

TITLE: GRB2 SH3 binding peptides and methods of isolating and using same

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sparks; Andrew B.	Carrboro	NC		
Kay; Brian K.	Chapel Hill	NC		
Thorn; Judith M.	Carrboro	NC		
Quilliam; Lawrence A.	Indianapolis	IN		
Der; Channing J.	Chapel Hill	NC		
Fowlkes; Dana M.	Chapel Hill	NC		
Rider; James E.	Carrboro	NC		

US-CL-CURRENT: 514/13; 514/12, 514/14, 514/15, 530/324, 530/325, 530/326, 530/327, 530/328

☐ 10. Document ID: US 6080773 A

L10: Entry 10 of 14 File: USPT Jun 27, 2000

US-PAT-NO: 6080773
DOCUMENT-IDENTIFIER: US 6080773 A

TITLE: Benzylamine derivatives which are useful in treating psychiatric disorders

DATE-ISSUED: June 27, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dijcks; Fredericus Antonius	Oss			NL
Leysen; Dirk	Lommel			BE
Linders; Joannes Theodorus Maria	Oss			NL
Ruigt; Gerardus Stephanus Franciscus	Oss			NL
Carlyle; Ian Craig	Hamilton-Lanarlshire			GB
Grove; Simon James Anthony	Glasgow			GB
Rae; Duncan Robertson	Lanarkshire			GB
Thorn; Simon N.	Kirknewton			GB

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US-CL-CURRENT: 514/379; 514/403, 514/406, 548/241, 548/361.1, 548/362.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 11. Document ID: US 5510241 A

L10: Entry 11 of 14 File: USPT Apr 23, 1996

US-PAT-NO: 5510241
DOCUMENT-IDENTIFIER: US 5510241 A

TITLE: Method of testing for the presence of Salmonella serotypes expressing Salmonella enteritidis fimbrial antigen (SEFA) and reagents therefore

DATE-ISSUED: April 23, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thorns; Christopher J.	Woking			GB2

US-CL-CURRENT: 435/7.3; 435/7.35, 530/350, 530/387.1, 530/388.4, 530/389.5, 530/391.1, 530/391.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

☐ 12. Document ID: US 4753873 A

L10: Entry 12 of 14 File: USPT Jun 28, 1988

US-PAT-NO: 4753873
DOCUMENT-IDENTIFIER: US 4753873 A
**** See image for Certificate of Correction ****

TITLE: Peptides for the diagnosis of HTLV-III antibodies, their preparation and use

DATE-ISSUED: June 28, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beltz; Gerald A.	Lexington	MA		
Thorn; Richard M.	Milford	MA		
Marciani; Dante J.	Hopkinton	MA		
Hung; Chung-Ho	Milford	MA		
Haseltine; William A.	Cambridge	MA		

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US-CL-CURRENT: 435/5; 424/188.1, 435/188, 435/6, 435/69.3, 435/7.92, 435/810, 435/974, 435/975, 436/531, 436/548, 436/808, 436/811, 530/350, 530/387.9, 530/388.35, 530/389.3, 530/389.4, 530/391.3, 930/221, 930/300

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 13. Document ID: US 4734362 A

L10: Entry 13 of 14 File: USPT Mar 29, 1988

US-PAT-NO: 4734362
DOCUMENT-IDENTIFIER: US 4734362 A

TITLE: Process for purifying recombinant proteins, and products thereof

DATE-ISSUED: March 29, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hung; Chung-Ho	Milford	MA		
Thorn; Richard	Milford	MA		
Riggin; Charles	Hopdale	MA		
Marciani; Dante	Hopkinton	MA		

US-CL-CURRENT: 435/68.1; 435/5, 435/69.1, 435/69.3, 436/533, 436/534, 436/547, 530/412, 530/826

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 14. Document ID: US 1610391 A

L10: Entry 14 of 14 File: USPT Dec 14, 1926

US-PAT-NO: 1610391
DOCUMENT-IDENTIFIER: US 1610391 A

TITLE: Compound of silver iodide and protein substances

DATE-ISSUED: December 14, 1926

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
THORN SMITH				

US-CL-CURRENT: 516/101

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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US OCR Full-Text Database
EPO Abstracts Database
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IBM Technical Disclosure Bulletins

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Refine Search

Recall Text Clear Interrupt

Search History

DATE: Friday, May 28, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT; PLUR=YES; OP=OR		
L18	L17 and beta-alanine	4006	L18
L17	l14 and amino acid	659715	L17
L16	L15 and l1	27709	L16
L15	L14 and beta alanine	31760	L15
L14	L13 and acylation	26	L14
L13	L12 and l1	648	L13
L12	530/412.ccls.	1103	L12
L11	l1 and protein isolation	266048	L11
L10	L8 and l7	14	L10
L9	naber.in	0	L9
L8	Thorn.in.	369	L8
L7	L6 and l1	108055	L7
L6	protein isolation and l5	148292	L6
L5	L3 and l1	212	L5

h e b b cg b e e ch

L4	L3 and l2	0	L4
L3	cooke.in.	1214	L3
L2	vale.in.	212	L2
L1	fluorescein arsenical helix binder compound	765672	L1

END OF SEARCH HISTORY

h e b b cg b e e ch

Refine Search

Search Results -

Terms	Documents
L23 and EDT	0

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:
```
In  line 5 Delete "
polystyrene/latex".L24
```

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Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT; PLUR=YES; OP=OR		
L24	L23 and EDT	0	L24
L23	L22 and cellulose	30	L23
L22	L20 and polystyrene	46	L22
L21	L20 and solid support	1146531	L21
L20	L19 and immobilized	107	L20
L19	L18 and FLASH	775	L19
L18	L17 and beta-alanine	4006	L18
L17	l14 and amino acid	659715	L17
L16	L15 and l1	27709	L16
L15	L14 and beta alanine	31760	L15
L14	L13 and acylation	26	L14
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L12	530/412.ccls.	1103	L12
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h e b b cg b e e ch